

- c) What do you understand from structured deployment methodology.
- d) What are the characteristics requirements of the wireless sensors networks?
- e) Differentiate between Coarse-grained and Fine-grained node localization.
- f) List the advantages of ALOHA protocol.
- g) Briefly explain Coarse-grained node localization.
- h) What do you mean by geographic routing?
- i) Enlist various applications of data link layer.
- j) What do you understand from secure Routing in Ad Hoc Wireless Networks?

Part – B (Answer any four questions)

- Q3** a) Explain with neat sketch of basic wireless sensor network device. (10)
b) Briefly explain the consequences for higher radio transmission power in WSN. (5)
- Q4** a) Differentiate between Contention - Based Protocols with reservation and Scheduling Mechanisms? (10)
b) Explain in detail about the Gateway concepts. (5)
- Q5** a) Explain two network topologies with suitable diagrams. (10)
b) Differentiate between DSR and TORA Routing Protocols. (5)
- Q6** a) What are the limitation of TCP in Ad hoc wireless network? (10)
b) Discuss about time synchronization mechanisms in WSN with necessary equations. (5)
- Q7** a) Explain in brief about Node level Software platforms in Wireless Sensor Networks. (10)
b) Explain in detail about the different localization mechanisms. (5)
- Q8** a) What are the various applications of wireless sensor networks and explain any two with an example each. (10)
b) Explain in detail about the geo-cast routing protocol. (5)
- Q9** a) Write shorts notes on following : (10)
1. MECN
2. Berkeley mote
b) Explain in brief about Secure aware AODV Routing protocol. (5)